



# CONSTRUCTION EQUIPMENT

## VOLVO EC750E 314101 - REAR LEFT FINAL DRIVE



**Sample No:** VCP408118  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP408118</b>	VCP365887	VCP377913	VCP372443
Sample Date	<b>20 Jun 2023</b>	05 Oct 2022	29 Aug 2022	13 Jun 2022
Machine Hours	<b>4232</b>	3558	3206	2513
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	SEVERE	SEVERE	SEVERE

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### OIL CONDITION

Visc @ 40°C	cSt	<b>126</b>	213	292	141
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### CONTAMINATION

Water	%	---	4.26	1.04	---
Silicon	ppm	<b>60</b>	3341	1551	916
Sodium	ppm	<b>1</b>	9	6	3
Potassium	ppm	<b>3</b>	90	32	17

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>213</b>	5025	4252	1991
Copper	ppm	<b>&lt;1</b>	9	11	5
Lead	ppm	<b>0</b>	7	0	<1
Tin	ppm	<b>0</b>	6	1	<1
Aluminum	ppm	<b>8</b>	409	120	89
Chromium	ppm	<b>3</b>	35	26	12
Molybdenum	ppm	<b>&lt;1</b>	6	5	2
Nickel	ppm	<b>0</b>	9	3	5
Titanium	ppm	<b>&lt;1</b>	30	10	5
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>11</b>	39	29	15
Vanadium	ppm	<b>0</b>	2	<1	<1



### ADDITIVES

Calcium	ppm	<b>53</b>	1135	373	233
Magnesium	ppm	<b>3</b>	57	18	13
Zinc	ppm	<b>&lt;1</b>	21	37	34
Phosphorus	ppm	<b>660</b>	830	877	951
Barium	ppm	<b>0</b>	0	4	0
Boron	ppm	<b>3</b>	89	150	182

**Depot:** VOLVO0081  
**Unique No:** 10534172  
**Signed:** Wes Davis  
**Report Date:** 28 Jun 2023



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## VOLVO GRAPHS

